

**PATENT COOPERATION TREATY**

From the  
INTERNATIONAL SEARCHING AUTHORITY

**PCT**

WRITTEN OPINION OF THE  
INTERNATIONAL SEARCHING AUTHORITY

(PCT Rule 43bis.1)

To:  
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Date of mailing  
(day/month/year) **07 JUN 2005**

Applicant's or agent's file reference  
44802-0516

**FOR FURTHER ACTION**  
See paragraph 2 below

International application No.  
PCT/US05/02457

International filing date (day/month/year)  
26 January 2005 (26.01.2005)

Priority date (day/month/year)  
30 January 2004 (30.01.2004)

International Patent Classification (IPC) or both national classification and IPC

IPC(7): H04N 7/12 and US Cl.: 375/240.25

Applicant  
MATSHUSITA ELECTRIC INDUSTRIAL CO., LTD

1. This opinion contains indications relating to the following items:

- Box No. I Basis of the opinion
- Box No. II Priority
- Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- Box No. IV Lack of unity of invention
- Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- Box No. VI Certain documents cited
- Box No. VII Certain defects in the international application
- Box No. VIII Certain observations on the international application

2. FURTHER ACTION

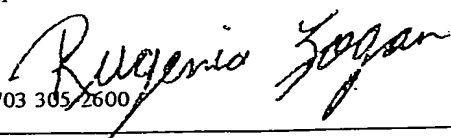
If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered.

If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.

For further options, see Form PCT/ISA/220.

3. For further details, see notes to Form PCT/ISA/220.

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WRITTEN OPINION OF THE  
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International application No.

PCT/US05/02457

**Box No. I Basis of this opinion**

1. With regard to the language, this opinion has been established on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

This opinion has been established on the basis of a translation from the original language into the following language \_\_\_\_\_, which is the language of a translation furnished for the purposes of international search (under Rules 12.3 and 23.1(b)).

2. With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of:

a. type of material

a sequence listing

table(s) related to the sequence listing

b. format of material

in written format

in computer readable form

c. time of filing/furnishing

contained in international application as filed.

filed together with the international application in computer readable form.

furnished subsequently to this Authority for the purposes of search.

3.  In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.

4. Additional comments:

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International application No.  
PCT/US05/02457

Box No. V Reasoned statement under Rule 43 bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)	Claims <u>NONE</u>	YES
	Claims <u>1-16</u>	NO
Inventive step (IS)	Claims <u>NONE</u>	YES
	Claims <u>1-16</u>	NO
Industrial applicability (IA)	Claims <u>1-16</u>	YES
	Claims <u>NONE</u>	NO

2. Citations and explanations:

Claims 1-16 lack novelty under PCT Article 33(2) as being anticipated by Luna et al (US 6,681,052) since Luna et al disclose the same picture decoding method for decoding coded pictures by inverse quantization and inverse orthogonal transformation performed on a block-by-block basis, the method comprising, as a process of inverse quantization: multiplying a quantization matrix and a multiplier; and multiplying a product resulted from the multiplication and a quantized value; wherein the multiplication between the quantization matrix and the multiplier is executed for each coded data of a predetermined unit, and the multiplication is executed on a block-by-block basis; wherein the product resulted is stored in a memory and the multiplication involves reference to the memory; wherein the coded data of a predetermined unit is data that corresponds to a picture; the multiplier relates to a normalization factor used in a process of IDC (figure 7 and col. 4, lines 47-53, 60-65, col. 5, lines 1-18, col. 7, lines 10-40) as specified in claims 1-15.